



# THERMAX<sup>®</sup> SEMI-FLUID GREASE

## SPECIAL PURPOSE SYNTHETIC GREASE FOR GEAR BOXES

### BEYOND SYNTHETIC™

Thermax Semi-Fluid Grease is an ultra-tough, aluminum complex, EP grease designed to lubricate industrial gear boxes that require the use of a semi-fluid grease. It has the fluidity to pour like an oil from the container while having enough “body” at operating temperature to resist channeling or leaking past faulty seals often found in older gear boxes.

Thermax Semi-Fluid Grease also has very good oxidation stability and provides excellent rust and corrosion protection to both ferrous and nonferrous metals.

#### SYNSLIDE<sup>®</sup> ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple’s advanced Synslide additive technology that gives Royal Purple’s EP lubricants their amazing performance advantages. Synslide additive technology truly is beyond synthetic.

Synslide additive technology, Royal Purple’s tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and/or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Synslide additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

### PERFORMANCE ADVANTAGES

- Superior Wear Protection
- Shock Load Protection
- Stays in Gear Box
- Longer Oil Life
- Reduces Bearing Vibrations

		NLGI GRADE
TYPICAL PROPERTIES*	ASTM METHOD	0
Thickener Type (Soap Base)	---	Aluminum Complex
Thickener Content, %	---	7.5 - 10
Fluid Type	---	Multi-Synthetic
Viscosity, Fluid	D-445	
cSt @ 40°C		380
Flash Point, °F	D-92	>410
Drop Point, °F	D-566	522
Copper Corrosion Test	D-4048	PASS
Cone Penetration Test, mm	D-217	
Unworked		375
Worked, 60X		355
Worked Stability, % change	---	
Worked, 100,00X		<10
Oxidation Resistance	D-942	
PSI Drop, 100 Hrs		<5.0
Water Washout	D-1264	
% Max @ 79°C		<5.0
Four Ball EP Test	D-2596	
Load Wear Index		60
Weld Load, kgf		315
Density, lbs/g	D-4052	7.5

\*Properties are typical and may vary